

A NEW SPECIES OF THE GENUS *KARPINSKIELLA*
(HYMENOPTERA : CHALCIDOIDEA : PTEROMALIDAE)

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Karpinskiella townesi, n. sp. is described from Brazil. A key to the known species of the genus is given.

The genus *Karpinskiella* was described by Bouček in 1955 with one species *K. pityophthori* Bouč. In the year 1968 Hagen and Caltagirone described a second species *K. paratomicobia* Hag. and Caltag. A new species, *K. townesi*, n. sp. is described here from Brazil. The latter extends the range for the genus from the Holarctic Region into the Neotropical Region. Probably the genus has a worldwide distribution as parasitoids on the bark beetles.

***Karpinskiella townesi*, n. sp.**

Female: Dark blue with dark coppery reflection on vertex and dorsally on thorax; propodeum with tint of green and gaster with brownish reflection. Scape, pedicellus and 1st annellus yellowish brown. The rest of antenna dark brown. Legs yellowish brown with mid and hind coxae partly brownish, mid femora with more and less brown reflection, hind femora dark brown and all clawjoints brown. Tegulae brown. Wing veins pale yellowish brown.

Head (Fig. 2C) transverse, distinctly wider than thorax. Clypeus distinct incised in the middle. Antennae, 11353, (Fig. 3B) inserted above a level with anterior margin of eyes. Antennal scape reaches above median ocellus.

Pronotum with collar in the middle with a carina. Head and thorax reticulated with medium large meshes on head and behind frenum of scutellum. Prepectus of medium size. Propodeum with a medium carina. Gaster short, shorter than thorax. Legs strong with all femora swollen. Posterior margin of 1st tergite incised in the middle.

Fore wing (Fig. 3F) with long marginal vein, three times longer than the stigmal vein.

Male: Unknown.

Length: 2.3 mm - 2.5 mm.

Holotype: F, Brazil, Nova Teutonia (27° 11' B 55° 23' L), 27.VII.1962, leg. Fritz Plaumann. (Coll. Hedqvist). *Paratype*: 3 F from the same locality, 5.VIII.1945, leg. Fritz Plaumann. (Coll. Hedqvist).

The description of the genus *Karpinskiella* Bouč. is modified to include *K. paratomicobia* Hag. and Caltag. and *K. townesi*, n. sp.

Genus **KARPINSKIELLA** Bouček

Head stout, subglobose to transverse, distinctly broader than thorax. Facial cavity above antennal sockets small but distinct. Antennae, 11353, inserted above the lower ocular line (Fig. 2A-C). Flagellar joints transverse to longer than wide, scape not reach or reach median ocellus. Clypeus

moderately but distinctly incised in the middle of anterior margin. Mandibles with 3 + 3 teeth. Malar space large.

Pronotum with collar more and less separated. Notauli incomplete. Scutellum longer than wide with frenum indistinct. Propodeum with or without median carina and more and less distinct plicae. Prepectus from small to medium size. Gaster long-oval as long as or shorter than thorax, a little compressed from the sides (F). Legs with femora more and less swollen, hind tibia with one spur.

Wings naked in basal third, the rest covered with sparse short hairs, ciliated on the margin. Marginal vein one and half times longer to three times longer than stigmal vein, postmarginal vein a little longer than stigmal vein.

Type-species: Karpinskiella pityophthori Bouč., by monotypy.

KEY TO SPECIES OF THE GENUS KARPINSKIELLA

1. Antennal scape short not reaching to median ocellus, funicular segments transverse. Collar indistinct. Propodeum without median carina (Figs. 1, 2B, 3A and D) Finland, Norway, Polen, Sweden *K. pityophthori*
 Antennal scape longer and funicular segments longer than broad. Collar distinct. Propodeum with a median carina 2
2. Scutellum flat. Collar rounded. Marginal vein one and half times longer than stigmal vein (Figs. 2A, 3C and E) Utah, Arizona, California *K. paratomicobia*
 Scutellum more vaulted. Collar anterior with a carina. Marginal vein three times as long as stigmal vein (Figs. 2C, 3B and F) Brazil *K. townesi*

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- Hagen, K. S. and Caltagirone, L. E. 1968. A new species of *Karpinskiella* (Hymenoptera: Pteromalidae). Pan-Pacific Ent. 44: 241-248.
- Hedqvist, K.-J. 1963. Die Feinde der Borkenkafer in Schweden. I Erzwespen (Chalcidoidea). Studia Forestalia Suecica. No. 11, 176 pp. Stockholm.

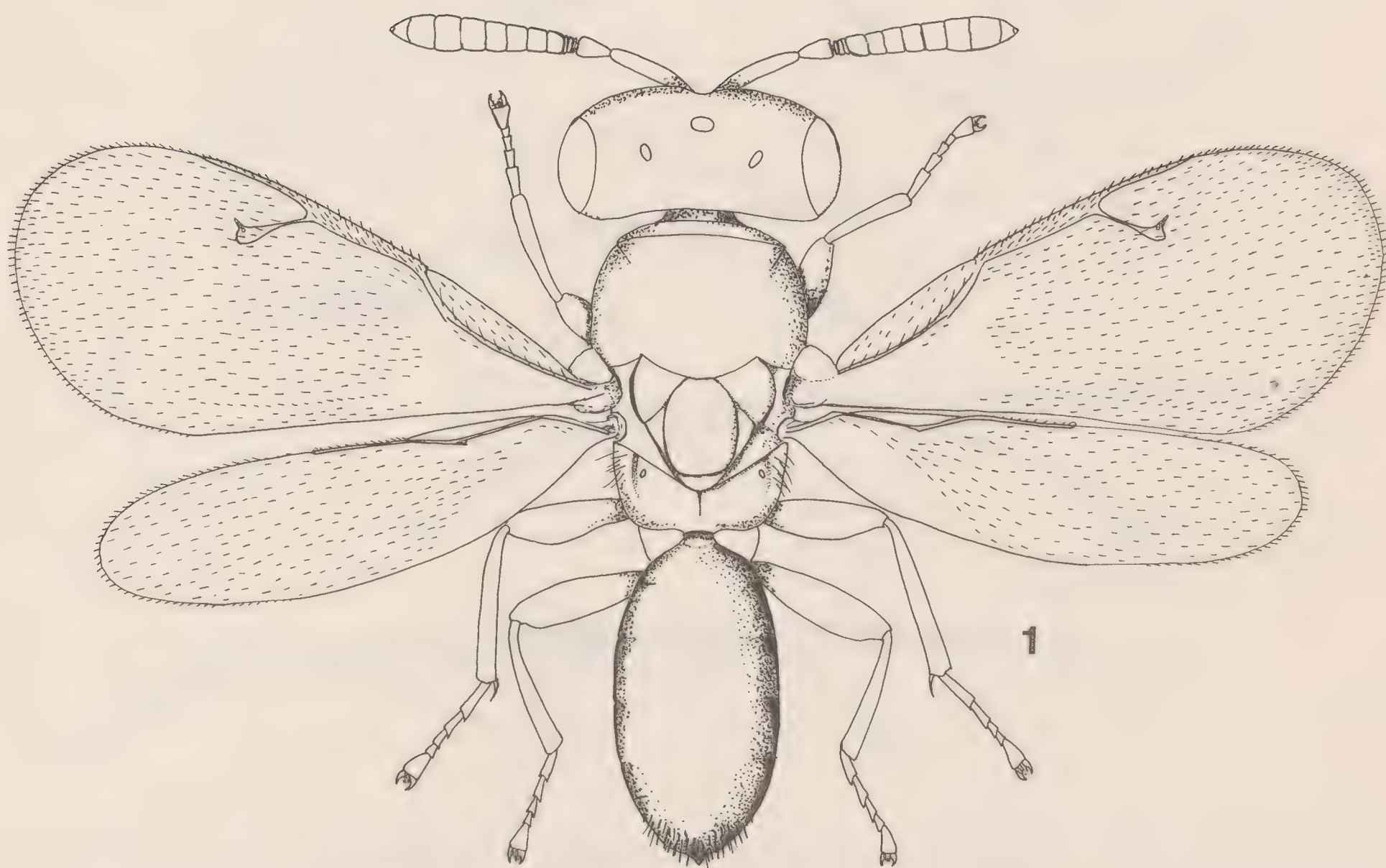


Fig. 1, *Karpinskiella pityophthori* Bouček, female.

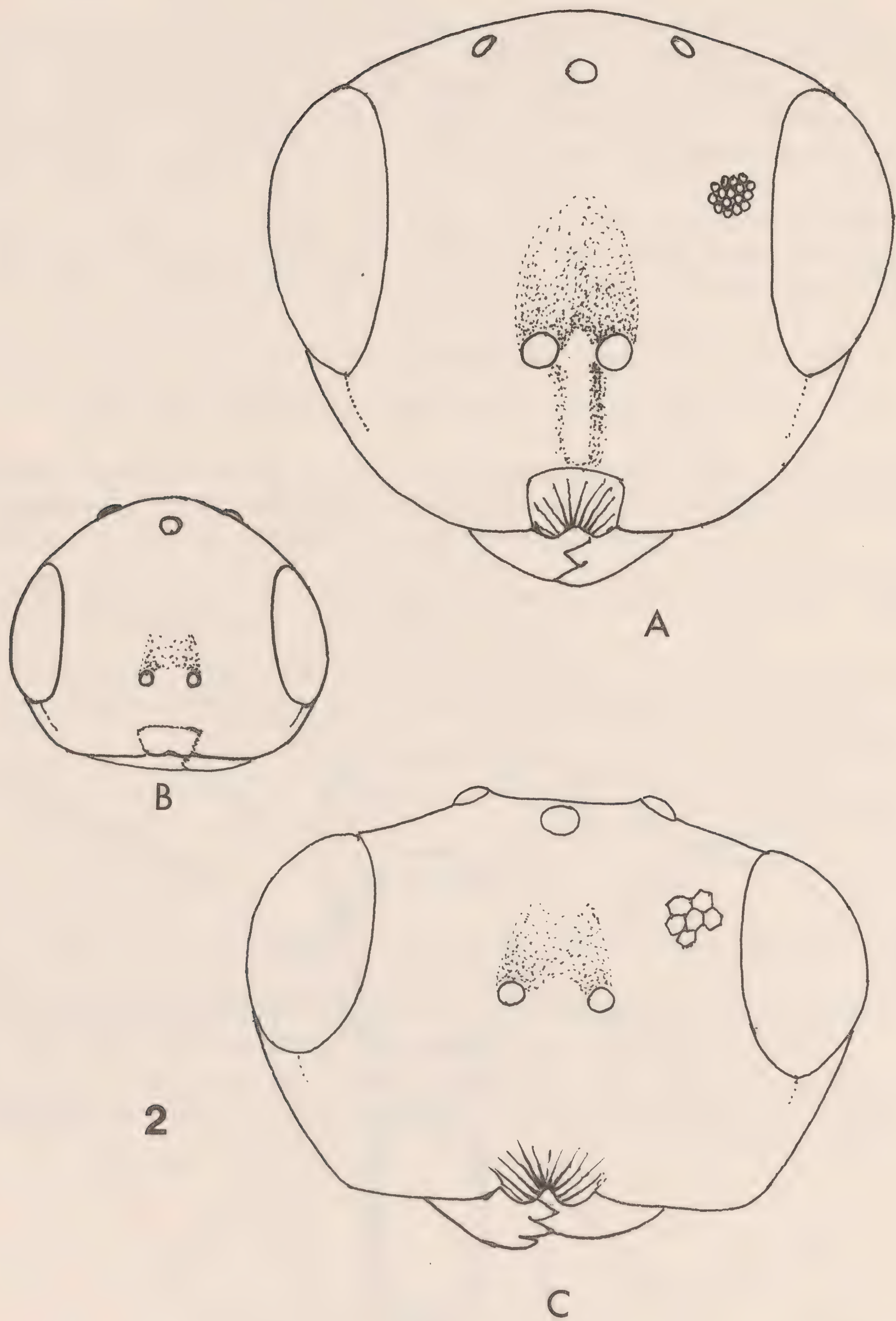


Fig. 2. A, *Karpinskiella paratomicobia* Hag. and Caltag. F, head in front view. B. *K. pityophthori* Bou. F, head in frontal view. C, *K. townesi*, n. sp. F, head in frontal view.

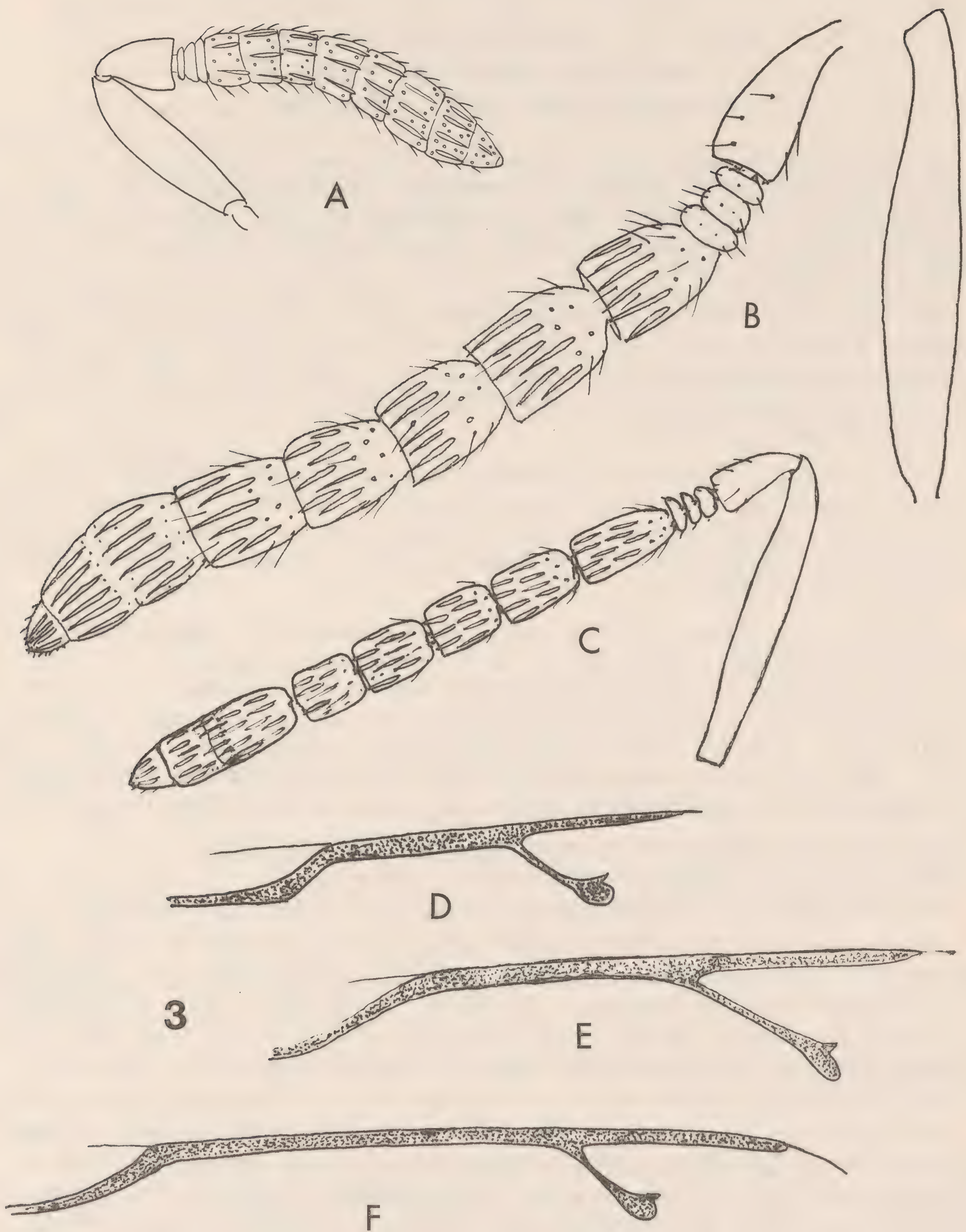


Fig. 3. A, *Karpinskiella pityophthori* Bouč. F, antenna. B, *K. townesi*, n. sp. F, antenna. C, *K. paratomicobia* Hag. and Caltag. F, antenna. D, *K. pityophthori* F, marginal, stigmal and postmarginal vein of fore wing. E, *K. townesi*, n. sp. F, marginal, stigmal and postmarginal vein of fore wing.